

## Biomedical Biotechnology (specialisation of Biotechnology major)

| <b>Year and Campus:</b>                            | 2013  |                |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
|--|---|----------------|----------------------------|----------------|-------------------------------------|------------------|-------|--|------------------|-------|--|------------------|-------|--|------------------|-------|---------|----------------------------|----------------|-------------------------------------|------------------|-------|------------------------------------|------------------|-------|---|------------------|-------|--|------------------|-------|---------|----------------------------|----------------|-------------------------------------|------------------|-------|---|------------------|-------|---|------------------|-------|---------|----------------------------|----------------|
| <b>Coordinator:</b>                                | See Biotechnology major   |                |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| <b>Contact:</b>                                    | See Biotechnology major   |                |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| <b>Overview:</b>                                   | Biomedical Biotechnology specialisation within the Biotechnology major  |                |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| <b>Objectives:</b>                                 | See Biotechnology major   |                |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| <b>Structure &amp; Available Subjects:</b>         | <p>Completion of 50 points of study at Level 3.</p> <p>There are three streams within this specialisation:</p> <ul style="list-style-type: none"> <li># Biochemistry stream</li> <li># Microbiology and Immunology stream</li> <li># Pharmacology stream</li> </ul>   |                |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| <b>Subject Options:</b>                            | <p><b>Biochemistry stream</b></p> <p>All four of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BTCH30003 Biotechnology in Practice</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>BCMB30001 Protein Structure and Function</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>BCMB30010 Advanced Techniques in Molecular Science</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>BCMB30002 Functional Genomics and Bioinformatics</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Microbiology and Immunology stream</b></p> <p>All four of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BTCH30003 Biotechnology in Practice</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>MIIM30002 Principles of Immunology</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>MIIM30013 Techniques in Microbiology &amp; Immunology</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>MIIM30011 Medical Microbiology: Bacteriology</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Pharmacology stream</b></p> <p>All three of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BTCH30003 Biotechnology in Practice</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>PHRM30008 Drugs: From Discovery to Market</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>PHRM30009 Drugs in Biomedical Experiments</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one elective selected from</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> </tbody> </table> | Subject        | Study Period Commencement: | Credit Points: | BTCH30003 Biotechnology in Practice | Not offered 2013 | 12.50 | BCMB30001 Protein Structure and Function | Not offered 2013 | 12.50 | BCMB30010 Advanced Techniques in Molecular Science | Not offered 2013 | 12.50 | BCMB30002 Functional Genomics and Bioinformatics | Not offered 2013 | 12.50 | Subject | Study Period Commencement: | Credit Points: | BTCH30003 Biotechnology in Practice | Not offered 2013 | 12.50 | MIIM30002 Principles of Immunology | Not offered 2013 | 12.50 | MIIM30013 Techniques in Microbiology & Immunology | Not offered 2013 | 12.50 | MIIM30011 Medical Microbiology: Bacteriology | Not offered 2013 | 12.50 | Subject | Study Period Commencement: | Credit Points: | BTCH30003 Biotechnology in Practice | Not offered 2013 | 12.50 | PHRM30008 Drugs: From Discovery to Market | Not offered 2013 | 12.50 | PHRM30009 Drugs in Biomedical Experiments | Not offered 2013 | 12.50 | Subject | Study Period Commencement: | Credit Points: |
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| BTCH30003 Biotechnology in Practice                | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| BCMB30001 Protein Structure and Function           | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| BCMB30010 Advanced Techniques in Molecular Science | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| BCMB30002 Functional Genomics and Bioinformatics   | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| Subject  | Study Period Commencement:  | Credit Points: |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| BTCH30003 Biotechnology in Practice                | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| MIIM30002 Principles of Immunology                 | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| MIIM30013 Techniques in Microbiology & Immunology  | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| MIIM30011 Medical Microbiology: Bacteriology       | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
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| BTCH30003 Biotechnology in Practice                | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| PHRM30008 Drugs: From Discovery to Market          | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| PHRM30009 Drugs in Biomedical Experiments          | Not offered 2013  | 12.50          |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |
| Subject  | Study Period Commencement:  | Credit Points: |                            |                |                                     |                  |       |  |                  |       |  |                  |       |  |                  |       |         |                            |                |                                     |                  |       |                                    |                  |       |   |                  |       |  |                  |       |         |                            |                |                                     |                  |       |   |                  |       |   |                  |       |         |                            |                |

|  |  |                  |       |
|--|--|------------------|-------|
|  | PHRM30003 Drug Treatment of Disease          | Semester 2       | 12.50 |
|  | PHRM30002 Drugs Affecting the Nervous System | Not offered 2013 | 12.50 |
| <b>Related Majors/Minors/<br/>Specialisations:</b> | Biotechnology                                |                  |       |